

STATE OF THE WATERWAY – 2005



U. S. Port Rankings 2004



(Millions of Short Tons and % of change from 2003 – 2004 ACOE data)

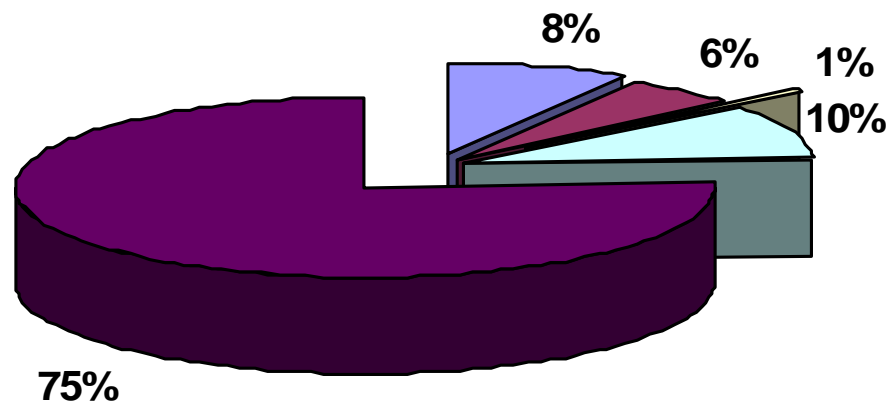
1	Port of South Louisiana	224.3	+12%	16	Baltimore, MD	47.3	+17.8%
2	Houston, TX	202.0	+5.8%	17	Valdez, AK	46.8	-6.2%
3	New York, NY and NJ	152.4	+4.5%	18	Duluth, MN	45.4	+18.4%
4	<u>Beaumont, TX</u>	91.7	+4.7%	19	Pittsburg, PA	41.0	-1.5%
5	Long Beach, CA	79.9	+15.5%	20	Philadelphia, PA	34.7	+4.4%
6	<u>Corpus Christi, TX</u>	78.9	+2.2%	21	Norfolk, VA	34.2	+9.5%
7	New Orleans, LA	78.0	-7.0%	22	Pascagoula, MS	34.0	+8.6%
8	Huntington-Tristate	77.3	-.4%	23	<u>Freeport, TX</u>	33.9	+11.0%
9	Texas City, TX	68.3	+11.4%	24	ST. Louis, MO	33.4	+3.0%
10	Baton Rouge, LA	56.9	-7.1%	25	Portland, OR	30.0	+12.0%
11	Mobile, AL	56.7	+13%	-----			
12	Lake Charles, LA	55.2	+3.5%	29	Port Arthur, TX	27.6	+1.5%
13	Plaquemines, LA	54.5	-2.6%	62	Galveston, TX	8.1	+7.5%
14	Los Angeles, CA	51.4	+.1%				
15	Tampa, FL	48.3	+.1%				

VTS MOVEMENTS – 2005



Tug/Tow	121,778	+5.1%
Ships	22,139	+12%
Other	15,636	+5.61%
Public	1,247	+72%
<hr/>		
Total Users	160,799	+6.5%
<u>Ferries</u>	<u>107,777</u>	
Total w/Ferries	268,577	

TRANSIT SUMMARY – 2005



- TANKER
- FREIGHTER
- PUBLIC
- OTHER
- TOW

2005 TYPICAL DAY IN THE VTSA



AVG

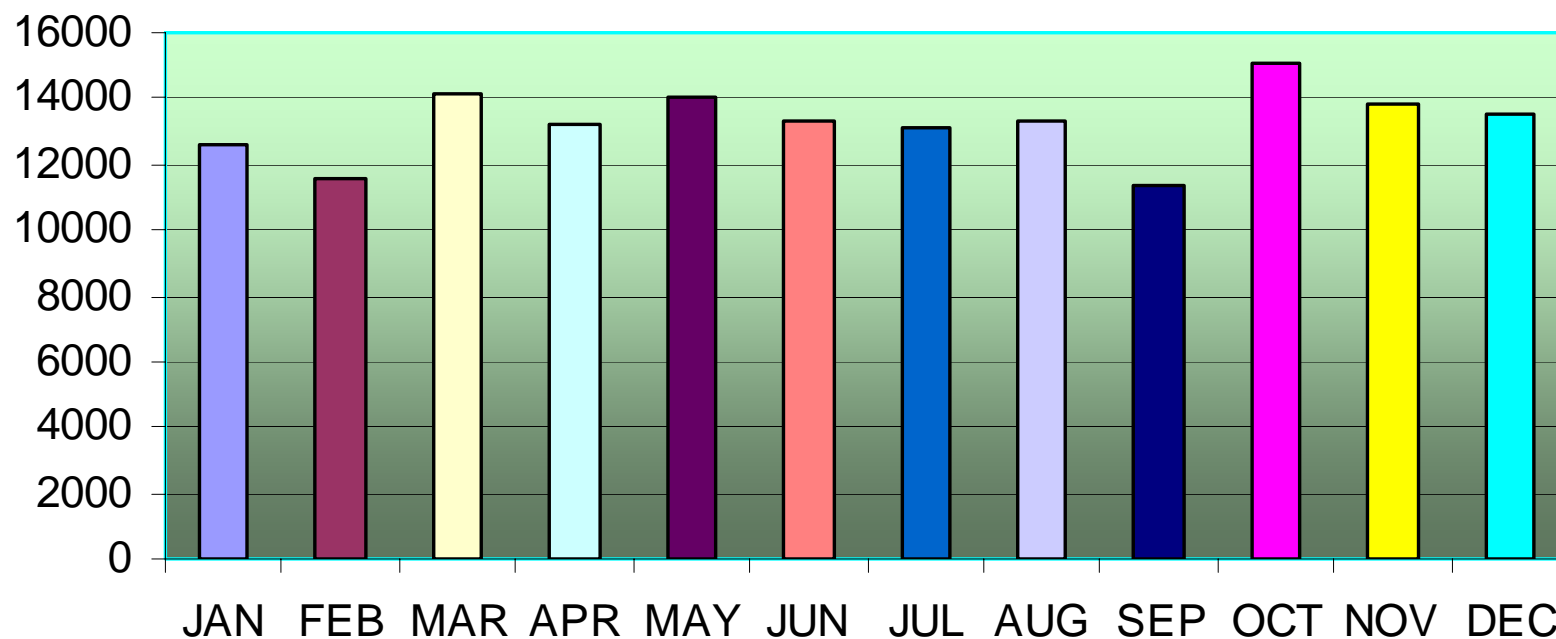
HIGH

36.2	TANKER TRANSITS	57
24.4	FREIGHTER TRANSITS	39
334	TOW TRANSITS	437
3.4	PUBLIC VESSEL TRANSITS	16
295	FERRY TRANSITS	315
43	OSV / OTHER TRANSITS	111
13.5	CDC TRANSITS	26

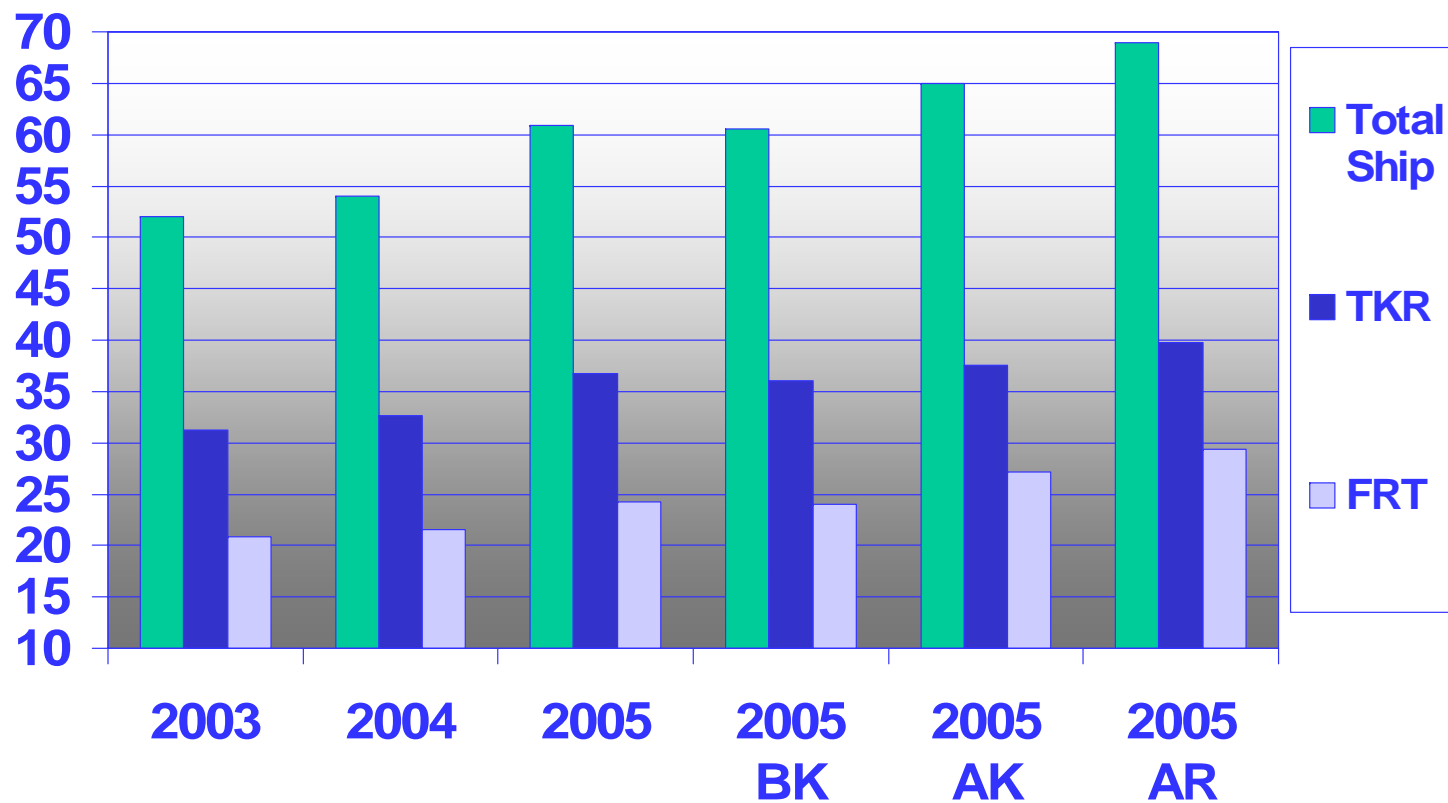
Traffic By Month



TRAFFIC

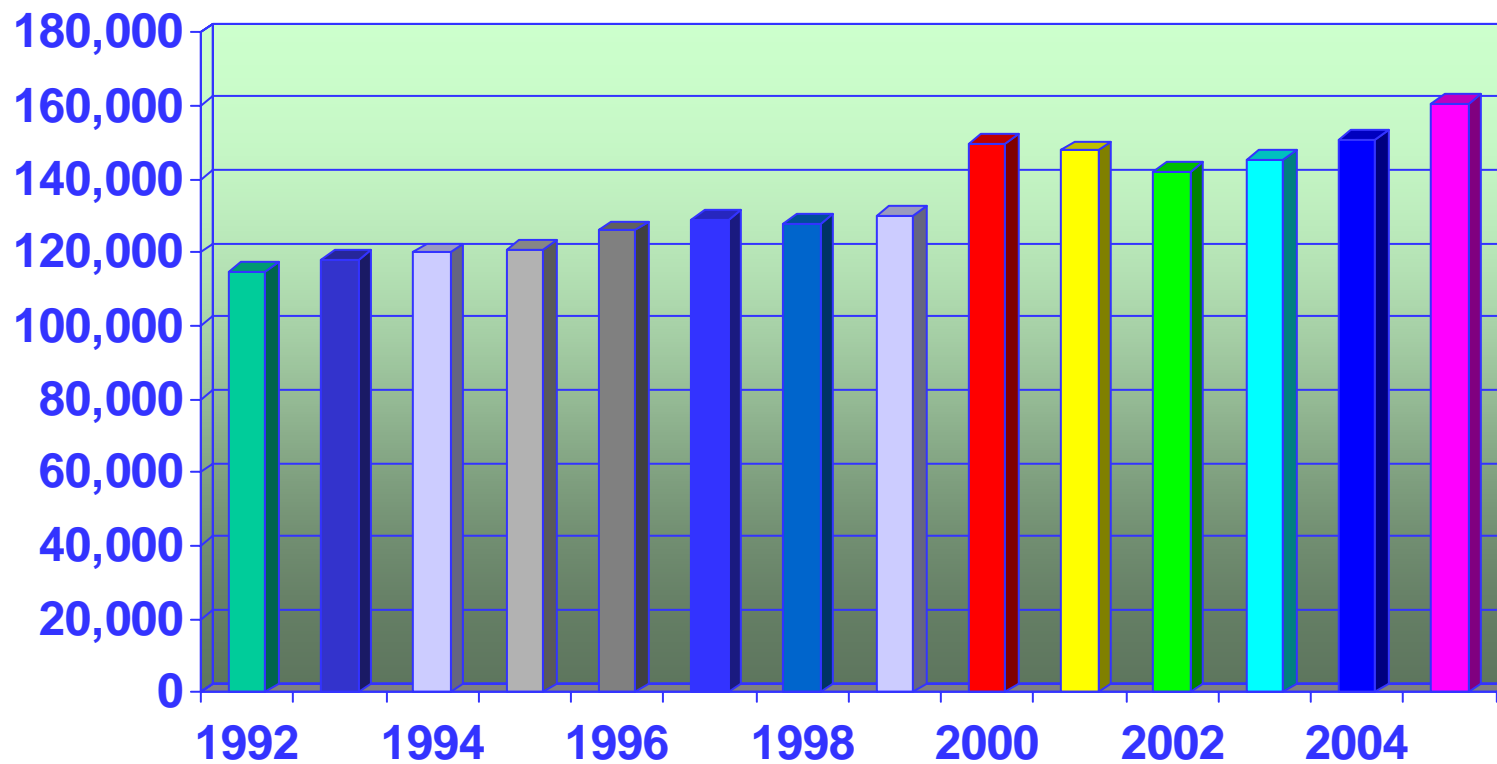


Rita/Katrina- SHIP TRAFFIC 2003 - 2005



- IN 2005 BEFORE KATRINA AUG 23/05, 60.5 avg.
- IN 2005 AFTER KATRINA AUG 31/05, 65 avg.
- IN 2005 AFTER RITA SEPT 28/05, 69 avg.
- 2005 % Increase from BK to AK = 7.5%
- 2005 % Increase from BK to AR = 14%
- Increase from 2003 to 2004 was 4%

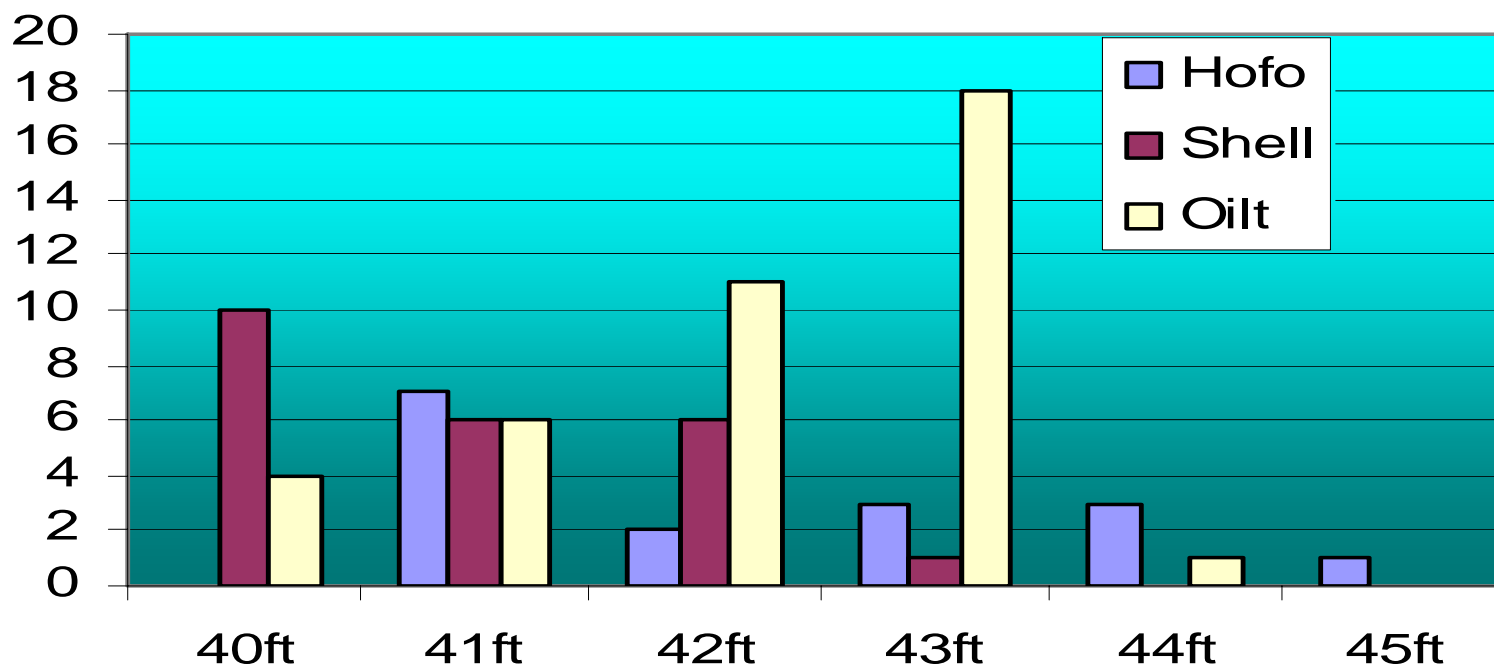
1992 – 2005 TRANSITS



Deep Draft Entry



Deep Draft May-Dec



INCIDENT SUMMARY – 2005



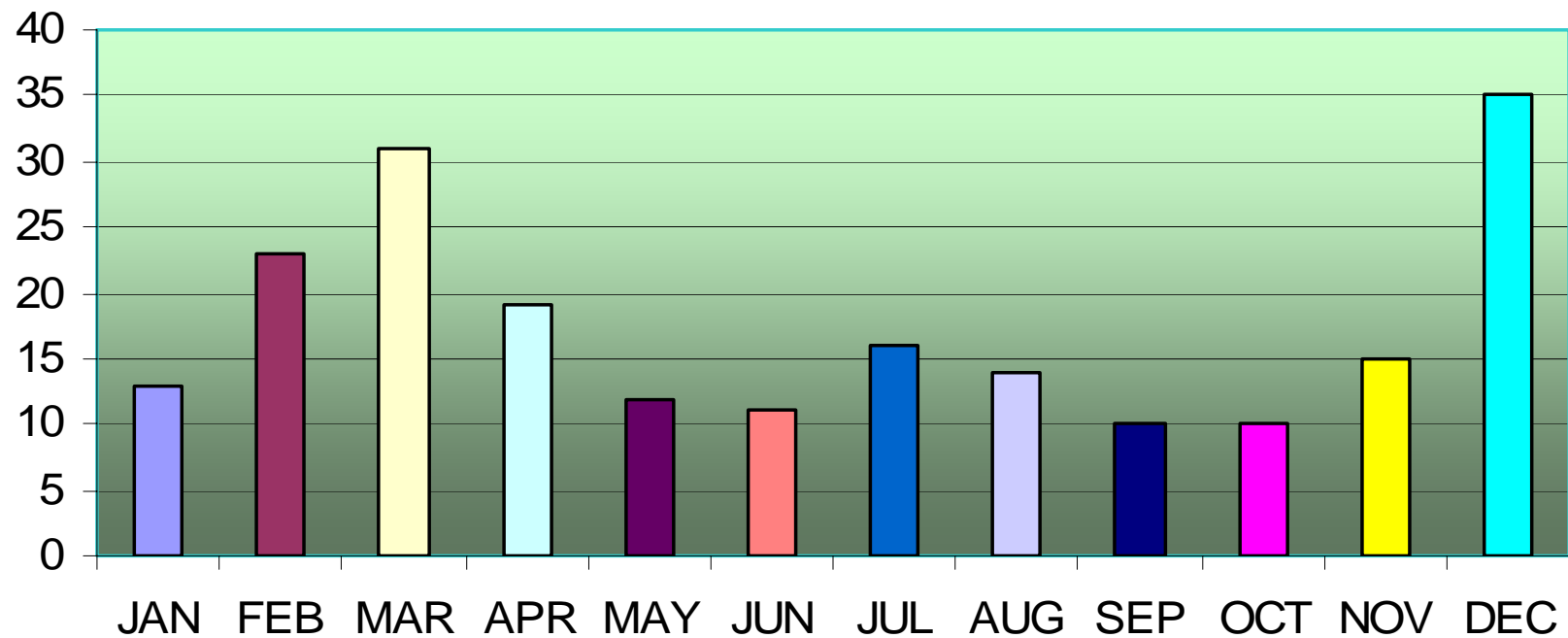
205 INCIDENTS (196 for 04)

- 62 VESSEL CASUALTIES 0%
- 70 GROUNDINGS +30%
- 47 MISCELLANEOUS +2%
 - 5 Barges Adrift, 4 Pollution Incidents, Car in the Water, 21 Wake Damage
- 7 COLLISIONS -50%
- 16 ALLISIONS -5.8%
- 3 MDA 0%

Incidents By Month



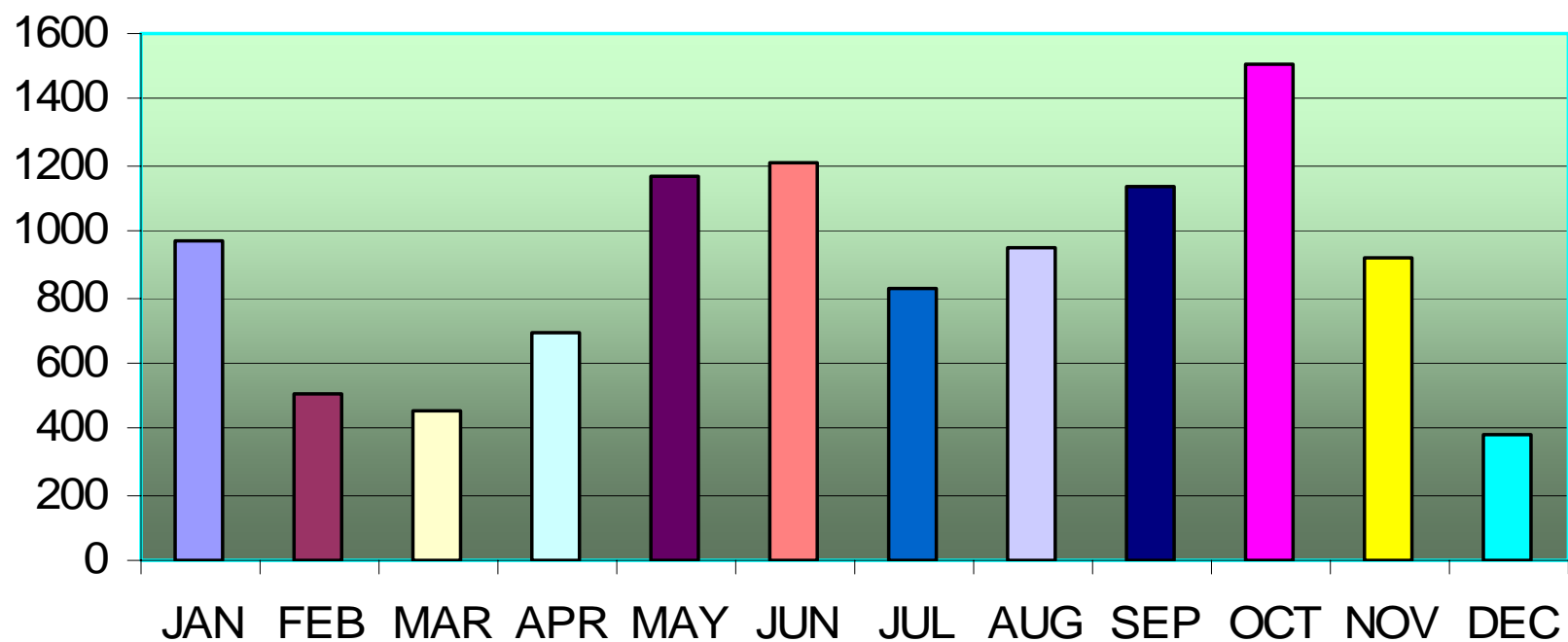
INCIDENTS



Ratio



Incident to Traffic Ratio 1 per ____ movements



MAJOR INCIDENTS – 2005



- Vehicle stopped on SSB observed throwing object off-8 hrs shutdown 2/20/05
- David C Devall sinks LT 53/54 Channel impacted 73 hrs for SAR and salvage – 4/4/05
- Mathew B sank while conducting bunker in Anchorage. Anchorage impacted for 3 days during salvage 5/8/05

MAJOR INCIDENTS – 2005



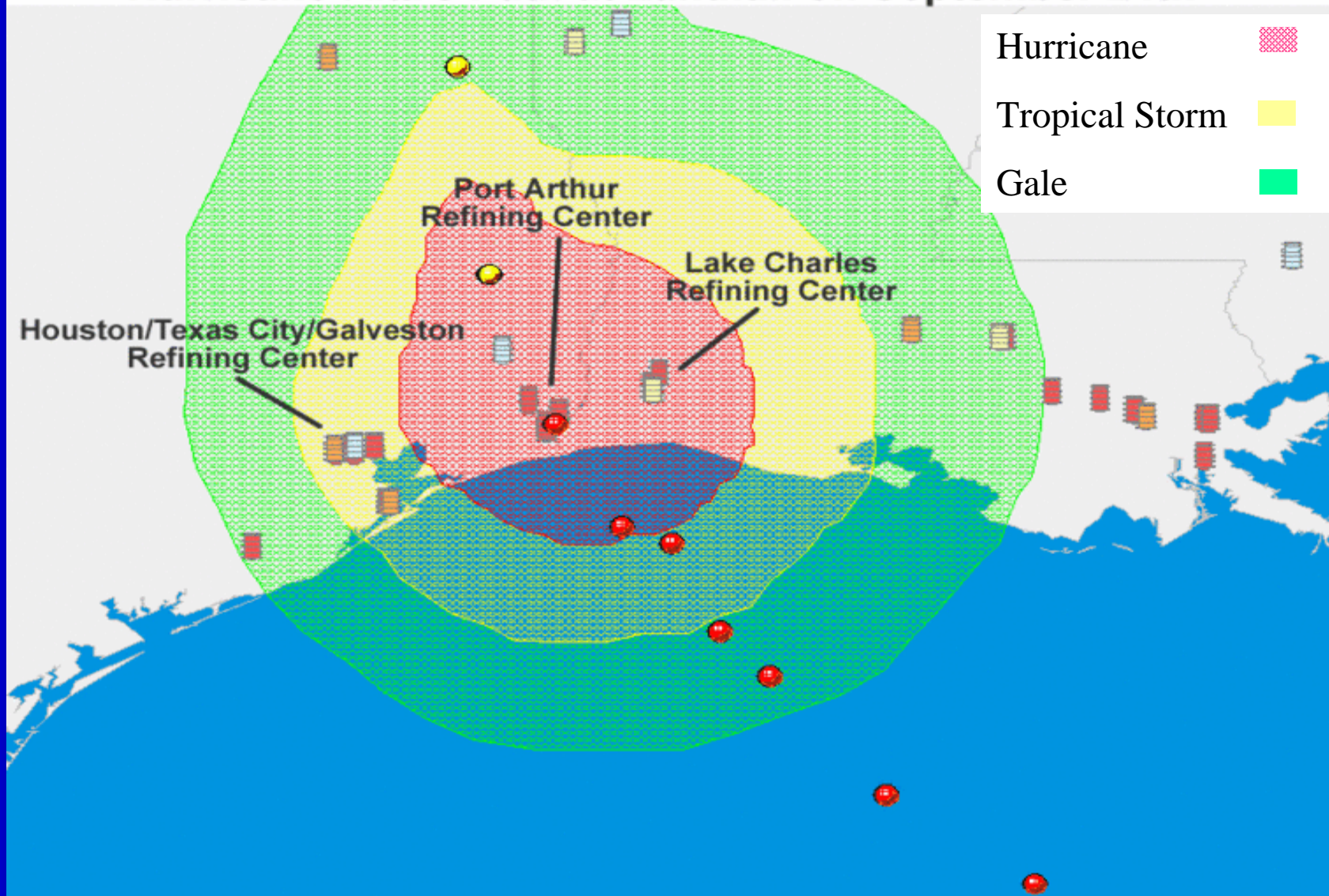
- T/V Texas Gator sunk in the vicinity of FHB. Channel restricted for 3 days during event and salvage operations (6/14)
- Suspicious package at Oiltanking Barge Dock. Channel restricted for several hours. (6/30)
- Suspicious package on Galveston Ferry. Security zone established. (9/25)

Hurricane Rita



- 9/22 1400 Port closed, VTC equipment powered down and personnel evacuated.
- 9/24 1000 VTC personnel back on scene and begin powering up and assessing damage
- 9/25 0900 Survey boats at various locations conducting surveys (52 Aids reported Discrepant)
- 9/26 0130 Local Transits of light boats begin
- 9/26 0530 Day light transit (35ft) begin. ICW remains closed East of MM 350
- 9/29 1215 Channel open to project depth.

Hurricane Rita's Path at Landfall on September 24th



PORT SECURITY



➤ MARSEC 2

2 MDA maritime related incidents

➤ CDC MOVEMENTS

- 4832 MOVEMENTS,
- 13.5 PER DAY

➤ SECURITY ZONE INCURSIONS – 78

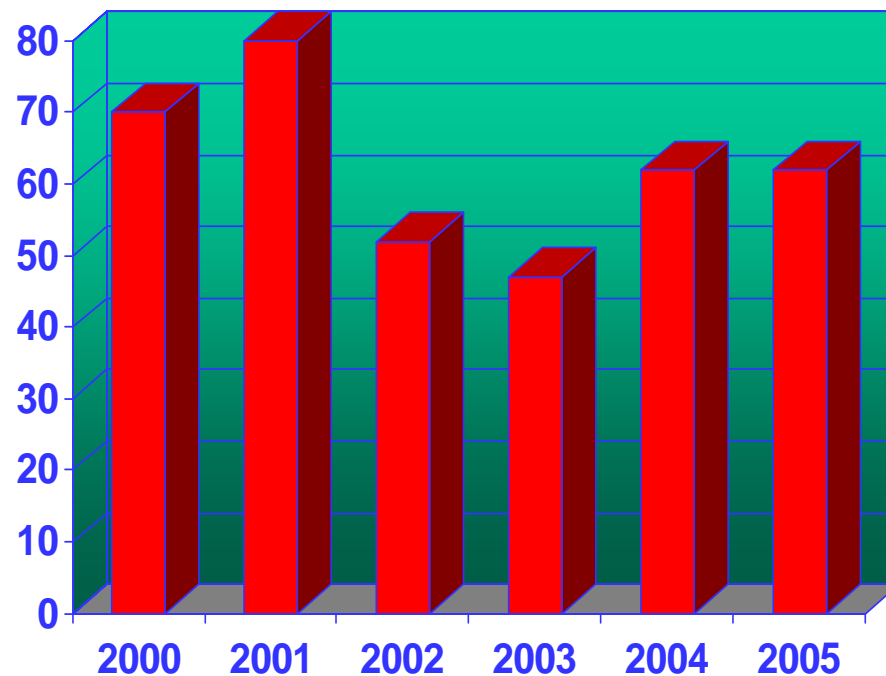
- 1 INCURSION EVERY 4.5 DAYS



2005 VESSEL CASUALTIES



- 62 TOTAL VSL CASUALTIES 0%
 - 37 SHIP
 - 24 TOW
- 1 VSL CASUALTY PER 2,593 VSL TRANSITS
- 1VSL CASUALTY PER 2,187 IN 2004



2005 SHIP CASUALTIES



➤ 37 TOTAL SHIP CASUALTIES

- 60% Propulsion Failures
- 8 % Steering

➤ 1 Ship Casualty per 598 Transits in 05

➤ 1 Ship Casualty per 506 Transits in 04

2005 TOW CASUALTIES



➤ 24 TOTAL TOW CASUALTIES

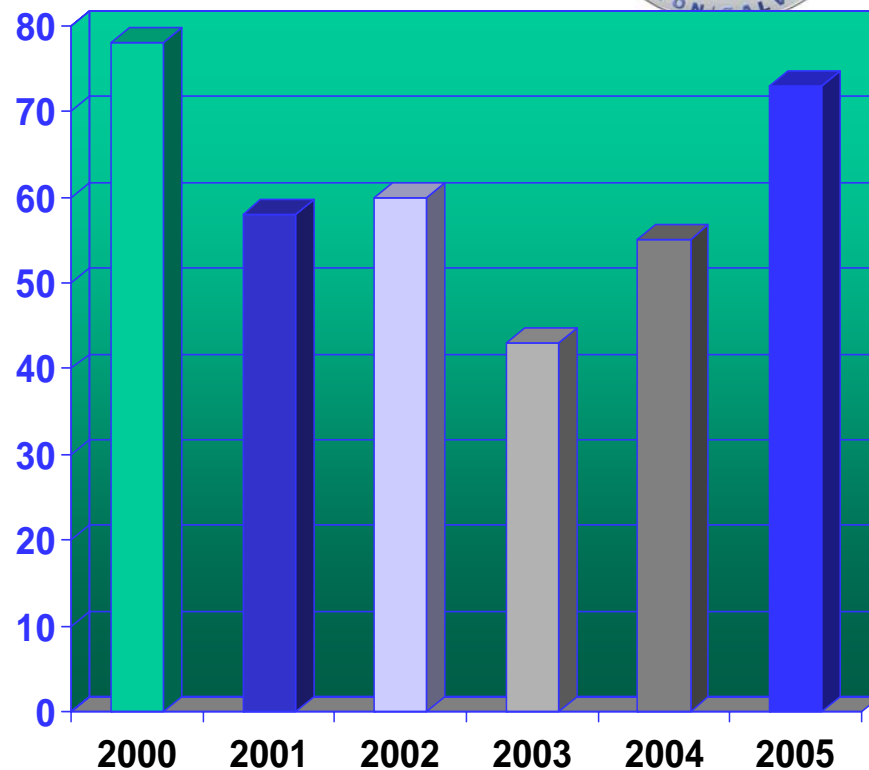
- 45 % steering related
 - 25% loss of propulsion
-
- 1 Tow Casualty per 5,074 Transits in 05
 - 1 Tow Casualty per 5,035 Transits in 04



2005 GROUNDINGS



- 70 TOTAL GROUNDINGS +33%
 - 58 TOW GROUNDINGS
 - o 1 PER 2,100 TOW TRANSITS
 - o 19% INCREASE FROM '04
 - 12 SHIP GROUNDINGS
 - o 1 PER 2,013 SHIP TRANSITS
 - o 100% INCREASE FROM '04



2005 GROUNDINGS



- 58 TOTAL TOW GROUNDINGS
 - 29 GICW AREA +45%
 - 8 LOWER BAY (ICW-REDFISH) +33%
 - 14 UPPER BAY (REDFISH-MP) +19% (7 Bayp area)
 - 7 UPPER CHANNEL -14%
- 12 TOTAL SHIP GROUNDINGS (+100%)
 - 4 Entrance Channel, 2 Anchorage, 2 Dockside, 1 upper bay, 1 Texas City, 1 Bayp, 1 Lt 70

Houston



UPPER CHANNEL - 9

GROUNDINGS 2005

Galveston Bay

UPPER BAY - 15

LOWER BAY - 8

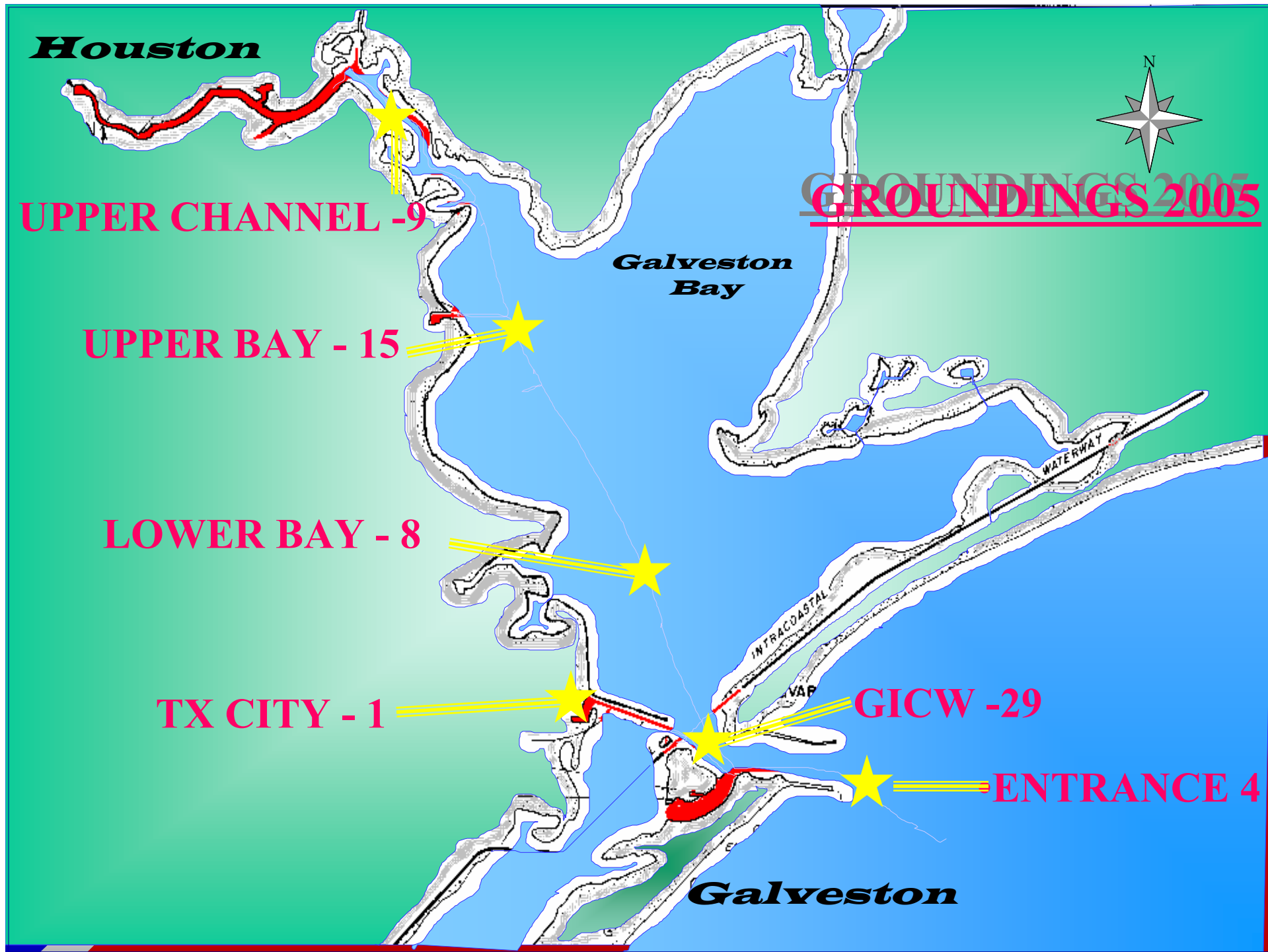
TX CITY - 1

INTRACOASTAL
WATERWAY

GICW - 29

ENTRANCE 4

Galveston



GROUNDINGS 05



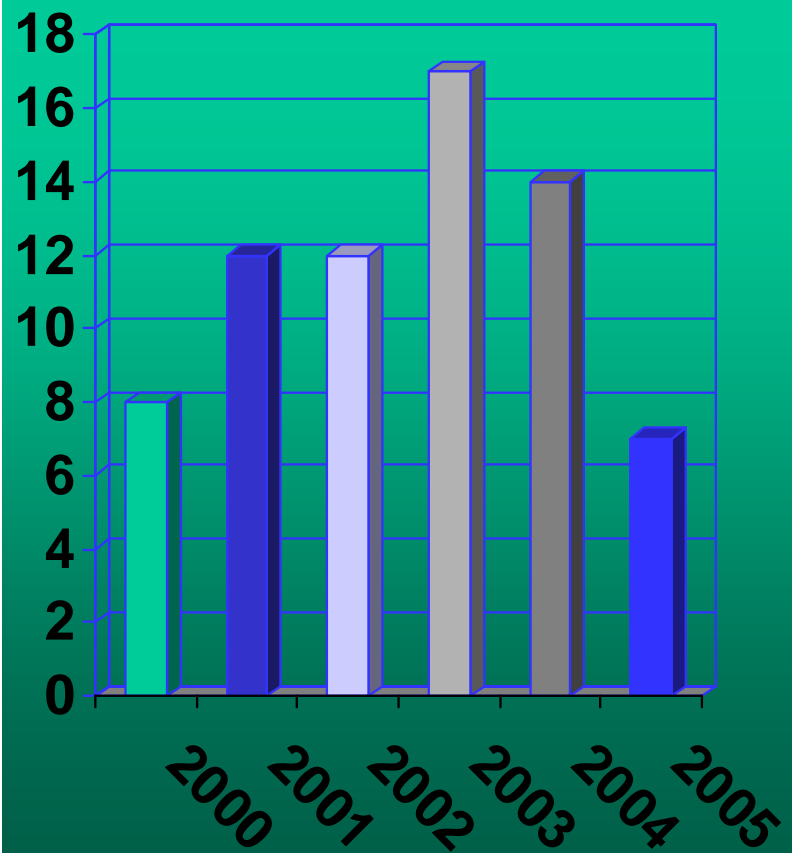
➤ REPORTED CAUSAL FACTORS

- OPERATOR ERROR - 27%
- CURRENT - 21%
- TRAFFIC DENSITY - 21%
- WIND - 10%
- Other 20%
 - Shoaling, AtoN, Mechanical

2005 COLLISIONS

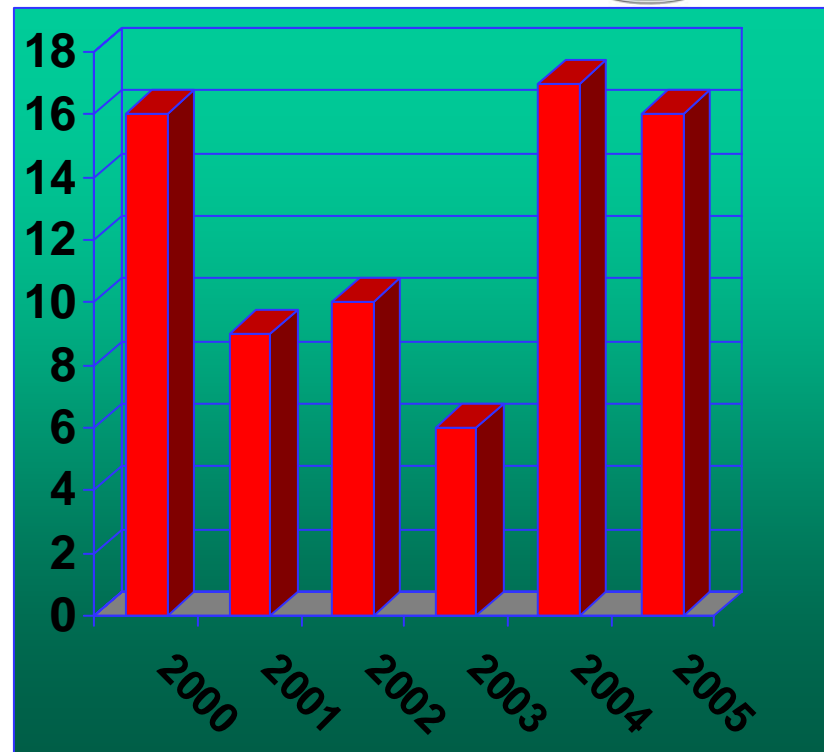


- 7 COLLISIONS 50% improvement over 04
 - 1 SHIP/TOW
 - 3 TOW/TOW
 - 1 SHIP/SHIP
 - 1 OSV/REC BOAT
 - 1 TOW/DREDGE
- 1 TOW COLLISION PER 24,356 TRANSITS
 - 173% improvement over 04
- 1 SHIP COLLISION PER 11,069 TRANSITS
 - 500% improvement over 04



2005 ALLISIONS

- 16 ALLISIONS 7% improvement over 04
- 12 INVOLVING TOWS
1 PER 10,148 TOW TRANSITS
- 4 INVOLVING SHIPS
1 PER 5,535 SHIP TRANSITS

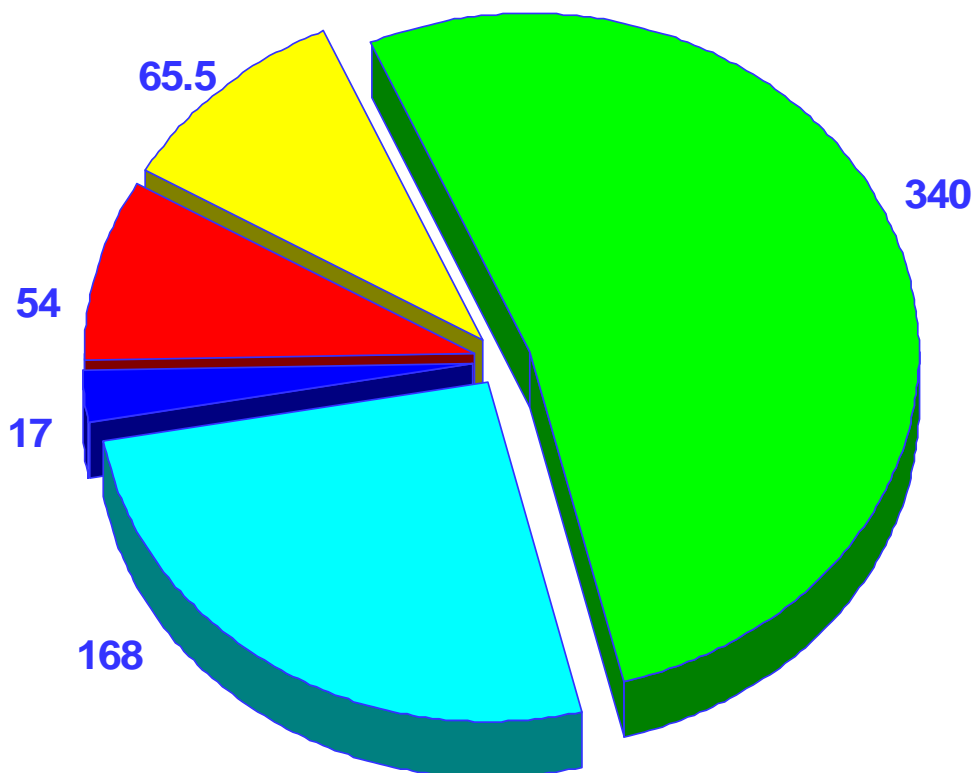


2005 CHANNEL CLOSURES

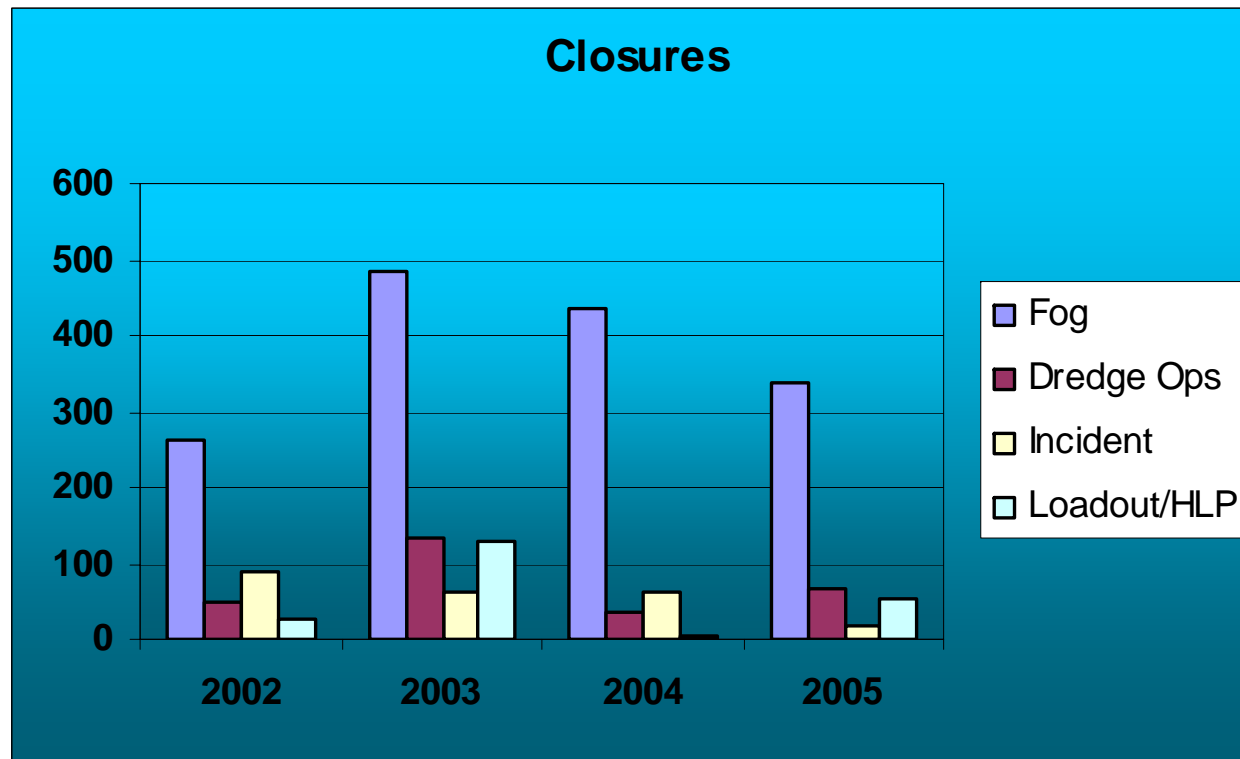
Reported in hours



- Loading Operations
- Incident Related
- Dredge Operations
- Fog- Bar Closure
- Rita



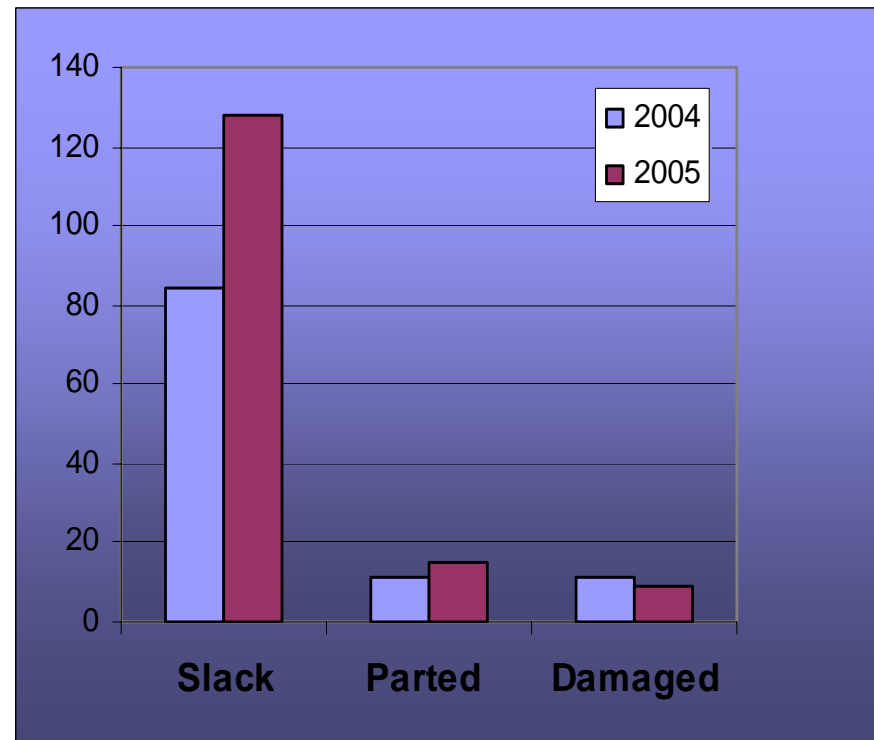
HISTORICAL CHANNEL CLOSURES



Reports of Unsafe Moorings



- Increase of 51%
- More Awareness Due to Larger Ships
- 63% of docks above Shell
- Additional information is needed
- Continue outreach and facility assessment



ATON KNOCKDOWNS - 2005



➤ 36 SELF-REPORTED KNOCKDOWNS (16.7% OF TOTAL FY '05 KNOCKDOWNS)

- 2 BELOW HSC LT 40 (5.6%)
- 5 BTWN HSC LTS 41-70 (13.9%)
- 11 BTWN HSC LTS 71-100 (30.5%)
- 13 ABOVE HSC LT 100 (36%)
- 5 REST OF VTSA (13.9%)

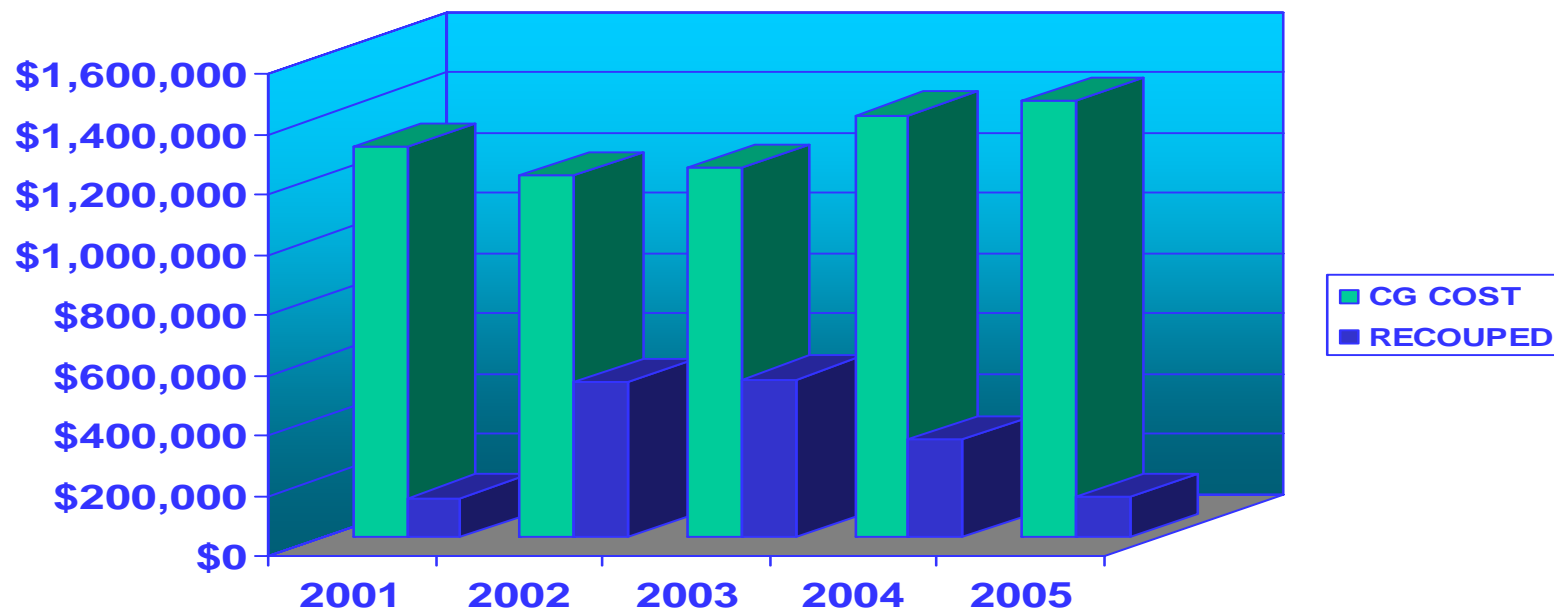
➤ LEADING CAUSES

- WIND AND CURRENT (49%)
- TRAFFIC DENSITY (47%)



ATON KNOCKDOWNS 05

(COST/RECOUPMENT BREAKDOWN)



Since Oct 05- \$808,000

Total Cost Per Aid Has Doubled in FY 06

VTs MILESTONES - 2005



- Implemented PAWSS
- Implemented AIS
- Test PCT concept with Rita
- Local Project Rep for Offshore AIS
- Targeting absorbed in VTC
- Became Sector 12/15/05

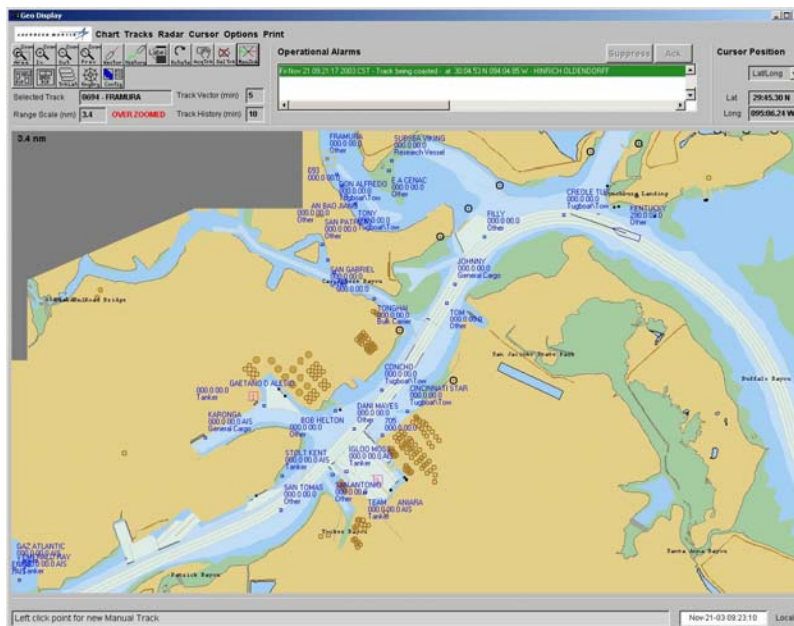
CURRENT PROJECTS



➤ HOGANSAC and Industry Partnerships:

- Navigation Operations
- Bridge Allision Prevention
- Navigation Technology
- Aids to Navigation Knockdown
- Deepdraft Entry Facilitation
- Video Feed Sharing
 - POH, SHELL, LBC, Texas City

ON THE HORIZON



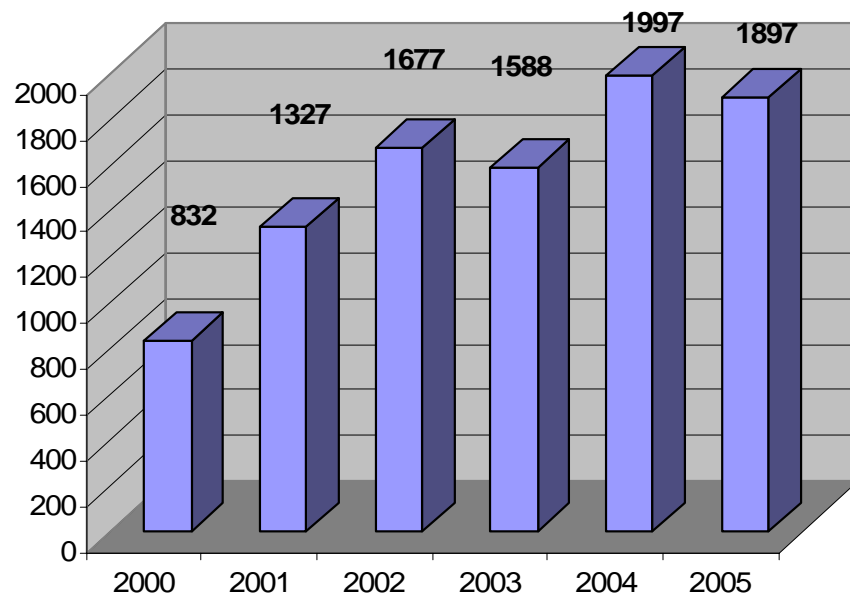
- Offshore Monitoring
- Increased Aids to Navigation Monitoring
- Increase efficiency of Targeting/Boarding Process

VTS Contact Information



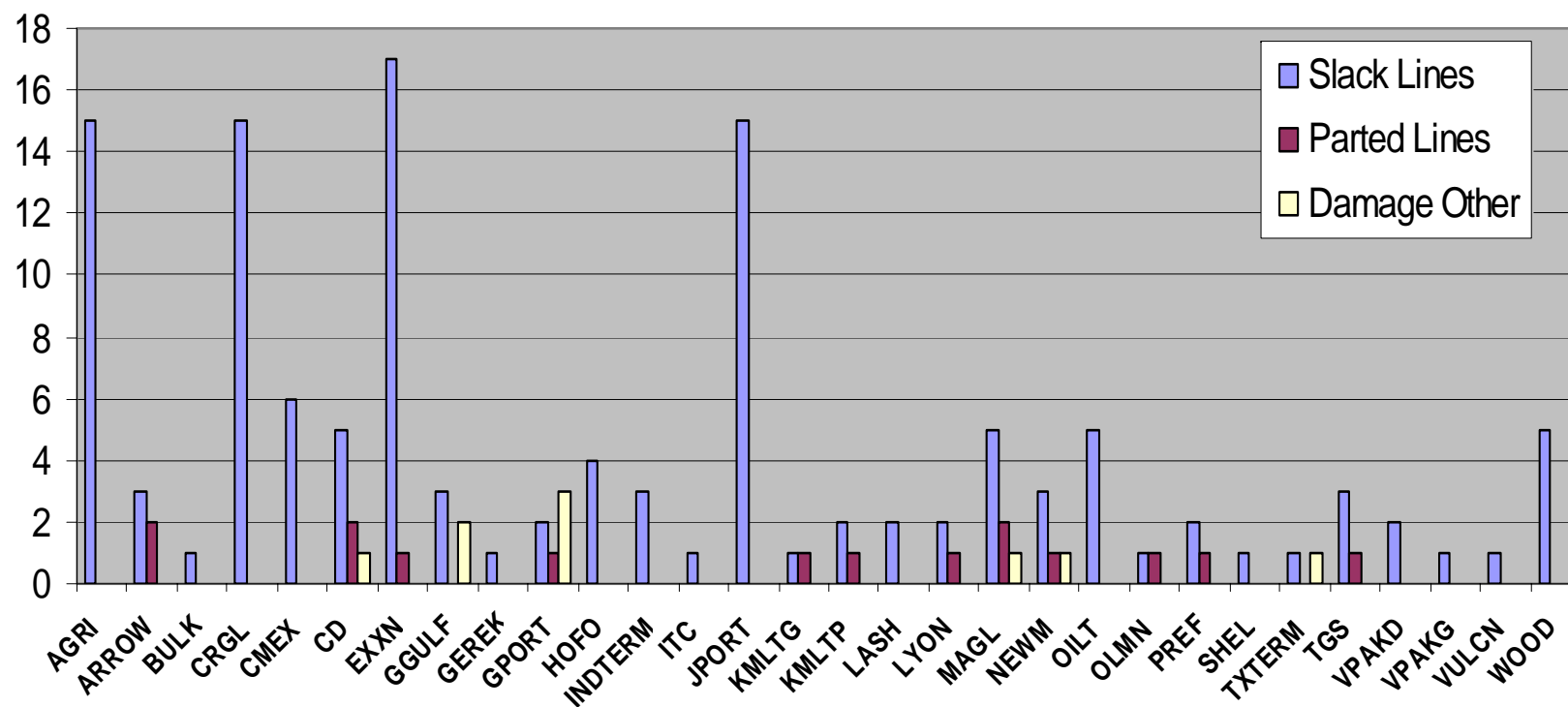
- CDR Jerry Torok, Waterways Management
 - (713) 671-5164
- Steve Nerheim, Director of Operations
 - (713) 678-9000 Snerheim@vtshouston.uscg.mil
- LT Ben Morgan, Operations Officer
 - (713) 671-5155 Bmorgan@vtshouston.uscg.mil
- Vessel Traffic Center, Watch Supervisor 24hrs
 - (713) 671-5103 vtshouws@vtshouston.uscg.mil
- Targeting and Offshore Approaches
 - (713) 678-9009
- VTS Webpage –
 - www.uscg.mil/d8/vts/houston-galveston

ANCHORAGE MANAGEMENT

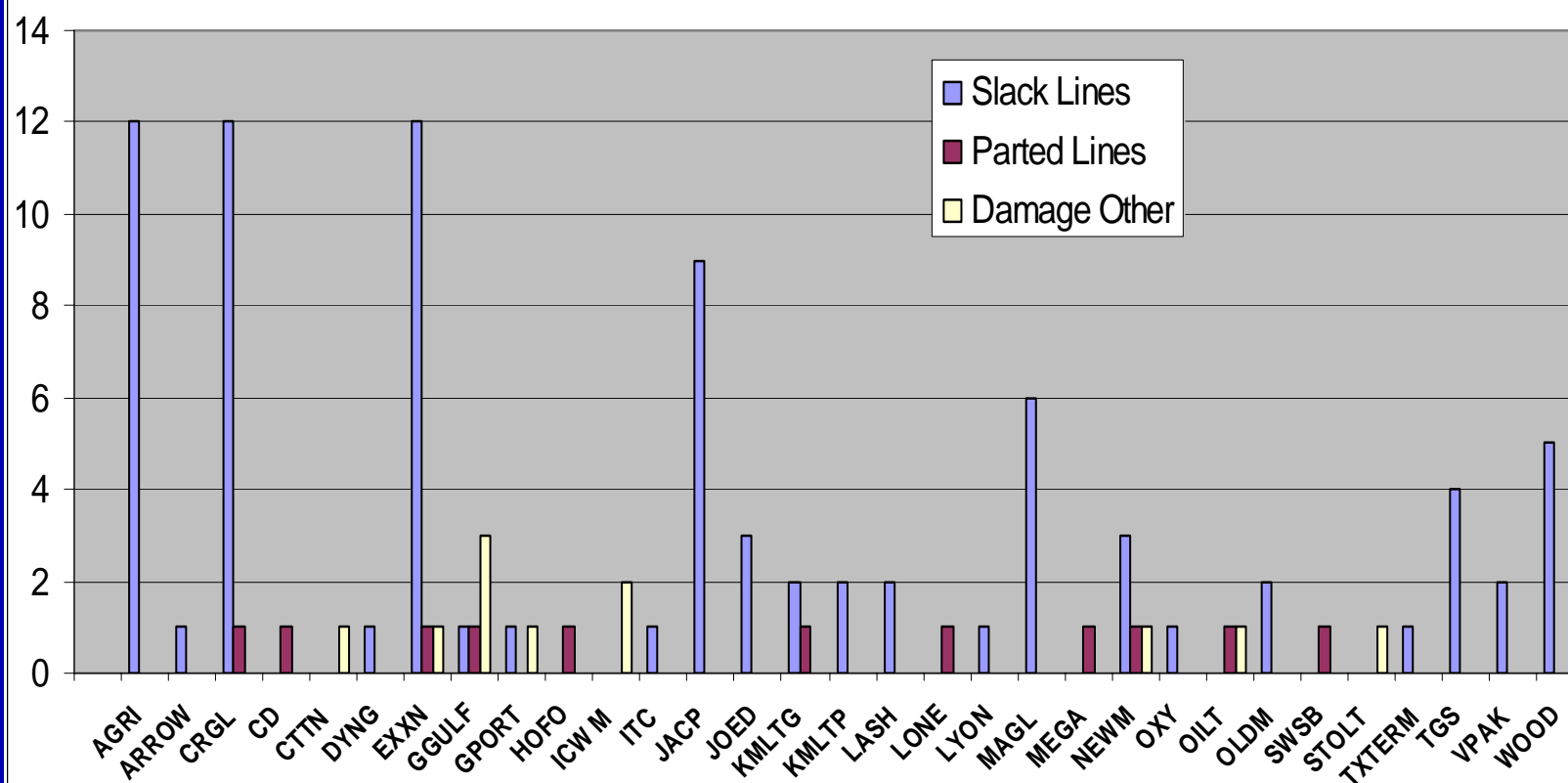


- 1,897 VESSELS USED ANCHORAGES IN 2005
- 5% DECREASE FROM 2004

2005 Moorings



2004 Moorings



- MM 114.9-MM 168.5

